



COMMONWEALTH BUREAU OF CENSUS AND STATISTICS

SIXTH FLOOR,
PRUDENTIAL BUILDING,
195 NORTH TERRACE,
ADELAIDE

BUILDING OPERATIONS

SOUTH AUSTRALIA

JUNE QUARTER 1966

SCOPE This bulletin gives information about "new building" operations in South Australia; in addition to a summary for the period 1961-62 to June 1966 it shows details concerning houses and flats, other buildings, employment in the industry, and dwellings in local government areas. The information has been compiled from returns collected from all builders of new buildings.

All values in this issue are expressed in decimal currency (\$2 = £1).

DEFINITIONS New Building: Additions of \$10,000 and over to existing buildings (other than houses) are included, but minor additions, alterations, repairs and renovations, and all construction activity such as railways, bridges, earthworks, water storage, etc., are excluded.

Value: All values shown exclude the value of land and, except in Table 4, represent the value of buildings upon completion (see also "Completion"). Values shown in Table 4 represent the amount of work done on new buildings during the period and are not subject to the fluctuations from period to period noted in Table 3 in the values of "new buildings other than dwellings"; these fluctuations are partly the result of the unequal incidence of individual large contracts.

Commencement: A building is recorded as commenced when work on the foundation has begun.

Under Construction: Once commenced, even though work on it may have been temporarily suspended, a building is classified as "under construction" until its "completion".

Completion: A building is regarded as having been completed when the contractor has fulfilled the terms of the contract or in the case of an owner-built house when the dwelling is either completed or occupied (whichever occurs first). However, the value in all cases is that of the building as a finished project as planned.

COMMENTS 2,435 houses were commenced and 2,649 were completed during the three months ended June 1966. Commencements were 267 more than in the March quarter 1966 but 348 less than in the June quarter 1965. Completions were 397 more than in the previous quarter but 103 less than in the June quarter 1965.

The number of flats commenced (388) was 55 less than in the preceding quarter and 105 less than the 493 commenced in the June quarter 1965. The total of 2,823 dwellings (houses and flats combined) commenced was the highest since the September quarter 1965.

Persons recorded as employed on all jobs of builders of new buildings at 30th June were 13,506. This is 580 less than on the 31st March 1966 and the lowest since 28th June 1963 when 12,948 were recorded.

During the twelve months ended June 1966, 9,777 dwellings (80% of the State total) were completed in or near the metropolitan area; 47% were inside the metropolitan area but a further 33% were completed in the near metropolitan local government areas of Elizabeth, Munno Para, Noarlunga, Salisbury, and Tea Tree Gully. A further 575 dwellings were completed at Whyalla.

TABLE 1 - NEW BUILDINGS COMMENCED, COMPLETED, AND UNDER CONSTRUCTION, SOUTH AUSTRALIA

Period	Houses (a)		Flats (a)(b)		Total Dwellings (a)		Other New Buildings (c)	Total New Buildings
	No.	\$'000	No.	\$'000	No.	\$'000	\$'000	\$'000
COMMENCED DURING PERIOD								
Year ended -								
30th June 1962	8,729	58,280	605	3,336	9,334	61,616	41,876	103,492
1963	9,610	65,036	683	3,266	10,293	68,302	43,414	111,716
1964	11,564	81,706	1,386	6,744	12,950	88,450	61,326	149,776
1965	11,220	82,982	2,158	11,620	13,378	94,602	74,386	168,988
1966	9,395	73,073	1,547	7,604	10,942	80,677	65,320	145,997
Quarter ended -								
31st Mar. 1965	2,622	19,698	547	3,118	3,169	22,816	14,578	37,394
30th June	2,783	20,958	493	2,740	3,276	23,698	19,766	43,464
30th Sept.	2,525	19,290	416	2,244	2,941	21,534	14,458	35,992
31st Dec.	2,267	17,623	300	1,438	2,567	19,061	14,359	33,420
31st Mar. 1966	2,168	17,412	443	2,099	2,611	19,511	23,109	42,620
30th June	2,435	18,748	388	1,823	2,823	20,571	13,394	33,965
COMPLETED DURING PERIOD								
Year ended -								
30th June 1962	9,136	61,358	593	2,760	9,729	64,118	40,512	104,630
1963	9,646	64,904	686	3,930	10,332	68,834	52,286	121,120
1964	10,488	73,174	989	4,844	11,477	78,018	40,284	118,302
1965	11,050	80,940	1,820	9,318	12,870	90,258	64,242	154,500
1966	10,353	79,176	1,856	10,215	12,209	89,391	70,910	160,301
Quarter ended -								
31st Mar. 1965	2,393	17,788	570	3,002	2,963	20,790	14,522	35,312
30th June	2,752	20,234	516	2,706	3,268	22,940	15,214	38,154
30th Sept.	2,836	21,142	580	3,306	3,416	24,448	19,456	43,904
31st Dec.	2,616	20,279	483	2,598	3,099	22,877	17,065	39,942
31st Mar. 1966	2,252	17,533	467	2,522	2,719	20,055	15,306	35,361
30th June	2,649	20,222	326	1,789	2,975	22,011	19,083	41,094
UNDER CONSTRUCTION AT END OF PERIOD								
Year ended -								
30th June 1962	4,599	30,362	331	2,164	4,930	32,526	50,490	83,016
1963	4,563	30,844	328	1,514	4,891	32,358	43,374	75,732
1964	5,639	39,742	725	3,502	6,364	43,244	68,270	111,514
1965	5,809	41,882	1,063	6,002	6,872	47,884	83,006	130,890
1966	4,851	36,571	754	3,456	5,605	40,027	80,635	120,662
Quarter ended -								
31st Mar. 1965	5,778	41,000	1,086	5,902	6,864	46,902	76,640	123,542
30th June	5,809	41,882	1,063	6,002	6,872	47,884	83,006	130,890
30th Sept.	5,498	40,294	899	4,942	6,397	45,236	79,536	124,772
31st Dec.	5,149	37,847	716	3,883	5,865	41,730	77,477	119,207
31st Mar. 1966	5,065	38,010	692	3,452	5,757	41,462	86,042	127,504
30th June	4,851	36,571	754	3,456	5,605	40,027	80,635	120,662

- (a) Excludes dwellings attached to "other new buildings".
 (b) Dwelling units including home units.
 (c) Includes value of attached dwellings.

TABLE 2 - NEW HOUSES: MATERIAL OF OUTER WALLS, SOUTH AUSTRALIA

Period	Brick, Concrete, Stone		Brick Veneer, Stone Veneer		Fibro Cement		Other (a)	
	No.	\$'000	No.	\$'000	No.	\$'000	No.	\$'000
COMMENCED DURING PERIOD								
Year ended -								
30th June 1962	8,001	54,342	(b)	(b)	620	3,310	108	628
1963	7,914	54,970	1,052	6,554	595	3,202	49	310
1964	8,693	64,126	2,236	13,906	589	3,320	46	354
1965	6,995	56,752	3,555	22,290	629	3,562	41	378
1966	5,925	50,477	2,881	19,092	568	3,366	21	138
Quarter ended -								
31st Mar. 1965	1,557	13,172	883	5,440	174	1,006	8	80
30th June	1,630	13,898	1,001	6,152	141	810	11	98
30th Sept.	1,640	13,546	730	4,850	151	850	4	44
31st Dec.	1,420	12,234	700	4,522	138	815	9	52
31st Mar. 1966	1,417	12,488	594	3,979	154	929	3	16
30th June	1,448	12,209	857	5,741	125	772	5	26
COMPLETED DURING PERIOD								
Year ended -								
30th June 1962	8,209	56,364	(b)	(b)	817	4,370	110	624
1963	7,890	54,550	1,117	6,796	594	3,270	45	288
1964	8,733	62,530	1,096	6,948	607	3,332	52	364
1965	7,992	61,794	2,446	15,532	572	3,242	40	372
1966	6,458	54,415	3,190	20,584	680	3,996	25	181
Quarter ended -								
31st Mar. 1965	1,764	13,806	501	3,198	116	672	12	112
30th June	1,810	14,350	775	4,890	159	914	8	80
30th Sept.	1,876	15,234	774	4,844	179	996	7	68
31st Dec.	1,651	14,068	775	5,075	184	1,097	6	39
31st Mar. 1966	1,432	12,316	647	4,208	165	967	8	42
30th June	1,499	12,797	994	6,457	152	936	4	32
UNDER CONSTRUCTION AT END OF PERIOD								
Year ended -								
30th June 1962	4,350	29,032	(b)	(b)	241	1,286	8	44
1963	4,309	29,518	(b)	(b)	242	1,260	12	66
1964	3,641	27,412	1,768	11,050	224	1,230	6	50
1965	2,644	22,540	2,877	17,748	281	1,542	7	52
1966	2,111	18,979	2,568	16,602	169	982	3	8
Quarter ended -								
31st Mar. 1965	2,824	22,850	2,651	16,474	299	1,640	4	36
30th June	2,644	22,540	2,877	17,748	281	1,542	7	52
30th Sept.	2,408	21,116	2,833	17,738	253	1,412	4	28
31st Dec.	2,177	19,233	2,758	17,378	207	1,196	7	40
31st Mar. 1966	2,162	19,495	2,705	17,347	196	1,154	2	14
30th June	2,111	18,979	2,568	16,602	169	982	3	8

(a) Mainly of weatherboard construction.

(b) Brick and stone veneer not separately recorded, included with brick, concrete and stone.

OWNER-BUILT HOUSES

Of the 9,395 houses commenced during 1965-66, 569 (value \$4,717,000) were owner-built, i.e. being erected by the owner or under the owner's direction by sub-contract or day labour but without the services of a contractor responsible for the whole job. During June quarter 1966 there were 138 (\$1,216,000) owner-built houses commenced and 112 (\$940,000) completed.

TABLE 3 - NEW BUILDINGS OTHER THAN DWELLINGS : VALUE (a) : SOUTH AUSTRALIA

Type of Building	Year Ended		Quarter Ended					
	30th	30th	31st	30th	30th	31st	31st	30th
	June	June	Mar.	June	Sept.	Dec.	Mar.	June
	1965	1966	1965	1965	1965	1965	1966	1966
COMMENCED DURING PERIOD (\$'000)								
Business premises -								
Hotels etc. & shops	6,528	7,168	2,682	1,244	2,374	2,423	1,841	530
Factories	23,668	7,527	4,732	3,822	2,820	1,348	1,688	1,671
Other (b)	8,754	20,522	1,404	2,724	2,398	6,561	9,429	2,134
Education & health	27,548	24,342	3,578	10,286	4,516	2,845	9,315	7,666
All other (c)	7,888	5,761	2,182	1,690	2,350	1,182	836	1,393
Total	74,386	65,320	14,578	19,766	14,458	14,359	23,109	13,394
COMPLETED DURING PERIOD (\$'000)								
Business premises -								
Hotels etc. & shops	9,082	7,668	2,334	2,600	1,048	2,979	1,134	2,507
Factories	17,010	21,428	4,590	2,486	9,444	3,681	4,069	4,234
Other (b)	12,918	10,597	1,502	5,808	1,688	4,539	1,268	3,102
Education & health	16,938	22,331	3,740	2,550	5,500	2,652	7,148	7,031
All other (c)	8,294	8,886	2,356	1,770	1,776	3,214	1,687	2,209
Total	64,242	70,910	14,522	15,214	19,456	17,065	15,306	19,083
UNDER CONSTRUCTION AT END OF PERIOD (\$'000)								
Business premises -								
Hotels etc. & shops	4,096	3,753	5,450	4,096	5,426	5,003	5,723	3,753
Factories	24,840	12,433	22,122	24,840	18,998	16,937	14,854	12,433
Other (b)	9,656	20,898	12,686	9,656	10,988	13,025	21,663	20,898
Education & health	36,426	38,581	28,314	36,426	35,464	35,911	38,020	38,581
All other (c)	7,988	4,970	8,068	7,988	8,660	6,601	5,782	4,970
Total	83,006	80,635	76,640	83,006	79,536	77,477	86,042	80,635

(a) Includes values of attached dwellings.

(b) Includes office buildings, service stations, warehouses, communication buildings, etc.

(c) Includes defence buildings, buildings for religious purposes, entertainment purposes, homes for aged, etc.

TABLE 4 - NEW BUILDINGS : VALUE OF WORK DONE DURING PERIOD, SOUTH AUSTRALIA

Type of Building	Year Ended		Quarter Ended					
	30th	30th	31st	30th	30th	31st	31st	30th
	June	June	Mar.	June	Sept.	Dec.	Mar.	June
	1965	1966	1965	1965	1965	1965	1966	1966
\$'000								
Houses (a)	77,944	72,463	19,256	19,298	19,820	17,369	17,296	17,978
Flats	10,892	8,926	3,162	3,184	2,720	2,258	2,043	1,905
Total houses & flats	88,836	81,389	22,418	22,482	22,540	19,627	19,339	19,883
Business premises -								
Hotels, hostels, etc.	2,182	3,808	354	462	842	1,104	604	1,258
Shops	5,456	4,324	1,156	732	1,112	1,354	1,078	780
Factories	21,500	14,622	4,918	5,916	5,096	3,741	3,292	2,493
Office premises	5,756	7,304	1,040	1,650	1,534	1,570	2,082	2,118
Other (b)	6,434	6,904	1,774	1,360	1,754	2,168	1,450	1,532
Education	11,122	15,785	2,496	3,322	3,930	4,184	4,264	3,407
Religious	2,078	2,117	458	472	592	591	519	415
Health	6,174	9,895	1,810	1,664	2,472	2,016	1,699	3,708
Entertainment & recreation	1,866	1,791	530	358	482	454	470	385
Miscellaneous (c)	4,550	3,973	1,100	1,102	1,360	1,017	836	760
Total other new buildings (excl. houses & flats)	67,118	70,523	15,636	17,038	19,174	18,199	16,294	16,856

(a) Excludes owner-built houses.

(b) Includes service stations, warehouses, communication buildings, etc.

(c) Includes defence buildings, homes for aged, homes for children, etc.

TABLE 5 - NEW BUILDINGS OTHER THAN DWELLINGS COMMENCED: TYPE & VALUE, SOUTH AUSTRALIA

Type of Building	Year Ended				Quarter Ended					
	30th June 1965		30th June 1966		31st Mar. 1965	30th June 1965	30th Sept 1965	31st Dec. 1965	31st Mar. 1966	30th June 1966
	No.	\$'000	No.	\$'000	Number					
UP TO \$50,000										
Business premises -										
Hotels, hostels, etc.	20	430	16	379	7	3	7	5	2	2
Shops	84	1,486	80	1,103	20	23	26	20	20	14
Factories	182	3,672	129	2,517	44	49	38	25	34	32
Office premises	31	664	38	951	8	8	7	14	7	10
Other (a)	182	3,804	154	3,122	43	51	42	37	39	36
Education	68	1,438	73	1,685	15	17	18	21	16	18
Health	20	636	24	498	4	3	6	5	8	5
Religious	36	766	34	675	9	10	10	7	12	5
Entertainment & recreation	70	1,092	52	686	26	17	17	12	9	14
Miscellaneous (b)	43	1,084	41	602	13	13	10	11	10	10
Total	736	15,072	641	12,218	189	194	181	157	157	146
OVER \$50,000										
Business premises -										
Hotels, hostels, etc.	12	1,800	15	3,040	4	6	1	7	6	1
Shops	15	2,812	19	2,646	6	-	9	3	5	2
Factories	73	19,996	33	5,261	19	18	13	5	7	8
Office premises	8	1,640	19	13,410	-	3	2	3	8	6
Other (a)	16	2,646	25	3,039	2	4	7	5	8	5
Education	31	11,844	51	11,904	7	11	10	10	22	9
Health	15	13,630	14	10,185	3	4	5	3	3	3
Religious	7	1,098	5	397	3	1	-	3	-	2
Entertainment & recreation	4	394	9	1,113	1	1	5	1	1	2
Miscellaneous (b)	27	3,454	10	2,288	4	7	3	3	1	3
Total	208	59,314	200	53,283	49	55	55	43	61	41

(a) Includes service stations, warehouses, communication buildings, etc.

(b) Includes defence buildings, homes for aged, homes for children, etc.

TABLE 6 - BUILDING EMPLOYMENT, SOUTH AUSTRALIA

Classification	29th June 1962	28th June 1963	30th June 1964	30th June 1965	30th Sept. 1965	15th Dec. 1965	31st Mar. 1966	30th June 1966
Persons Engaged								
Contractors	633	709	713	713	696	686	656	660
Sub-contractors	2,411	2,772	3,460	3,662	3,387	3,476	3,398	3,072
Wage earners	9,302	9,467	10,359	10,892	10,448	10,422	10,032	9,774
Carpenters	3,330	3,509	3,789	3,933	3,823	3,795	3,767	3,581
Bricklayers	2,076	2,268	2,547	2,648	2,489	2,432	2,360	2,211
Painters	1,064	1,191	1,414	1,406	1,394	1,405	1,288	1,261
Electricians	626	732	745	804	764	811	766	720
Plumbers	1,085	1,147	1,363	1,353	1,284	1,278	1,325	1,238
Builders' labourers	1,891	1,756	1,889	2,193	2,072	2,014	2,038	1,866
Other	2,274	2,345	2,785	2,930	2,705	2,849	2,542	2,629
Total	12,346	12,948	14,532	15,267	14,531	14,584	14,086	13,506

Note: Building employment covers all contractors and sub-contractors and employees of contractors, sub-contractors, and Government instrumentalities, who on the day specified were actually engaged on the construction, alteration, repair, and maintenance of buildings, but excludes persons working on owner-built houses or for contractors or sub-contractors who undertake only alterations, additions, repairs, and maintenance. Persons "actually engaged" include those temporarily laid off because of weather. Some duplication may occur as a result of frequent movement between jobs or because some persons (such as electricians) may work on several jobs which are under construction simultaneously.

TABLE 7 - NEW DWELLINGS COMPLETED (a) : LOCAL GOVERNMENT AREAS, SOUTH AUSTRALIA

Local Government Area	Year Ended		Quarter Ended					
	30th June 1965	30th June 1966	31st Mar. 1965	30th June 1965	30th Sept. 1965	31st Dec. 1965	31st Mar. 1966	30th June 1966
Metropolitan -								
Adelaide	28	81	4	20	6	55	2	18
Brighton	340	194	123	65	74	53	47	20
Burnside	581	421	138	161	132	103	107	79
Campbelltown	802	605	147	197	188	136	138	143
Colonel Light Gardens	1	1	-	1	1	-	-	-
Enfield	814	758	162	164	225	179	182	172
Glenelg	231	204	56	44	66	64	53	21
Henley and Grange	220	169	43	40	41	47	32	49
Hindmarsh	18	20	9	3	-	1	2	17
Kensington & Norwood	44	84	3	13	36	16	26	6
Marion	665	417	130	157	116	104	81	116
Mitcham	795	560	186	256	155	150	125	130
Payneham	259	202	48	115	96	37	40	29
Port Adelaide	493	145	90	126	66	30	28	21
Prospect	55	112	10	18	21	34	25	32
St. Peters	81	27	28	36	1	5	18	3
Thebarton	14	9	3	2	1	7	1	-
Unley	316	398	135	77	157	82	71	88
Walkerville	14	109	2	5	74	15	19	1
West Torrens	421	714	108	128	178	207	140	189
Woodville	462	518	108	101	164	105	106	143
Total metropolitan	6,654	5,748	1,533	1,729	1,798	1,430	1,243	1,277
Country -								
Angaston	36	23	7	12	6	4	7	6
Berri	22	29	4	5	7	13	5	4
East Torrens	26	27	9	7	4	6	9	8
Elizabeth Corp'n	623	246	124	123	112	87	31	16
Encounter Bay	35	40	8	12	8	16	11	5
Gawler	18	25	-	9	6	7	9	3
Loxton	36	36	10	13	12	12	6	6
Meadows	80	83	23	23	17	16	23	27
Millicent	44	95	12	11	13	31	29	22
Mt. Barker	22	31	8	6	9	8	7	7
Mt. Gambier Corp'n	93	91	26	17	20	28	21	22
Munno Para	526	745	113	144	206	199	131	209
Murray Bridge	59	83	19	16	13	22	10	38
Naracoorte Corp'n	23	26	7	8	7	5	8	6
Noarlunga	509	512	102	136	124	139	112	137
Onkaparinga	24	22	5	8	6	2	8	6
Pt. Augusta	64	59	12	24	20	7	21	11
Pt. Elliot	37	72	14	3	10	21	20	21
Pt. Lincoln Corp'n	85	117	21	25	32	35	23	27
Pt. Pirie Corp'n	25	31	5	8	6	9	7	9
Salisbury Corp'n	1,468	1,213	386	310	314	266	283	350
Stirling	85	75	13	28	21	12	18	24
Tatiara	60	69	15	19	15	17	24	13
Teatree Gully	1,029	1,313	207	269	289	331	329	364
Victor Harbor	19	18	5	2	5	5	4	4
Whyalla City Comm.	401	575	77	134	146	154	122	153
Willunga	58	36	13	9	11	12	4	9
Other country (b)	731	783	191	164	179	208	196	200
Total country	6,238	6,475	1,436	1,545	1,618	1,672	1,478	1,707
Total State	12,892	12,223	2,969	3,274	3,416	3,102	2,721	2,984

- (a) Dwelling units - houses and flats plus dwellings attached to "Other New Buildings".
 (b) Details for each local government area are available upon request.

Commonwealth Bureau of Census & Statistics
ADELAIDE S.A.
 3rd September 1966.

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